



FIG. 1

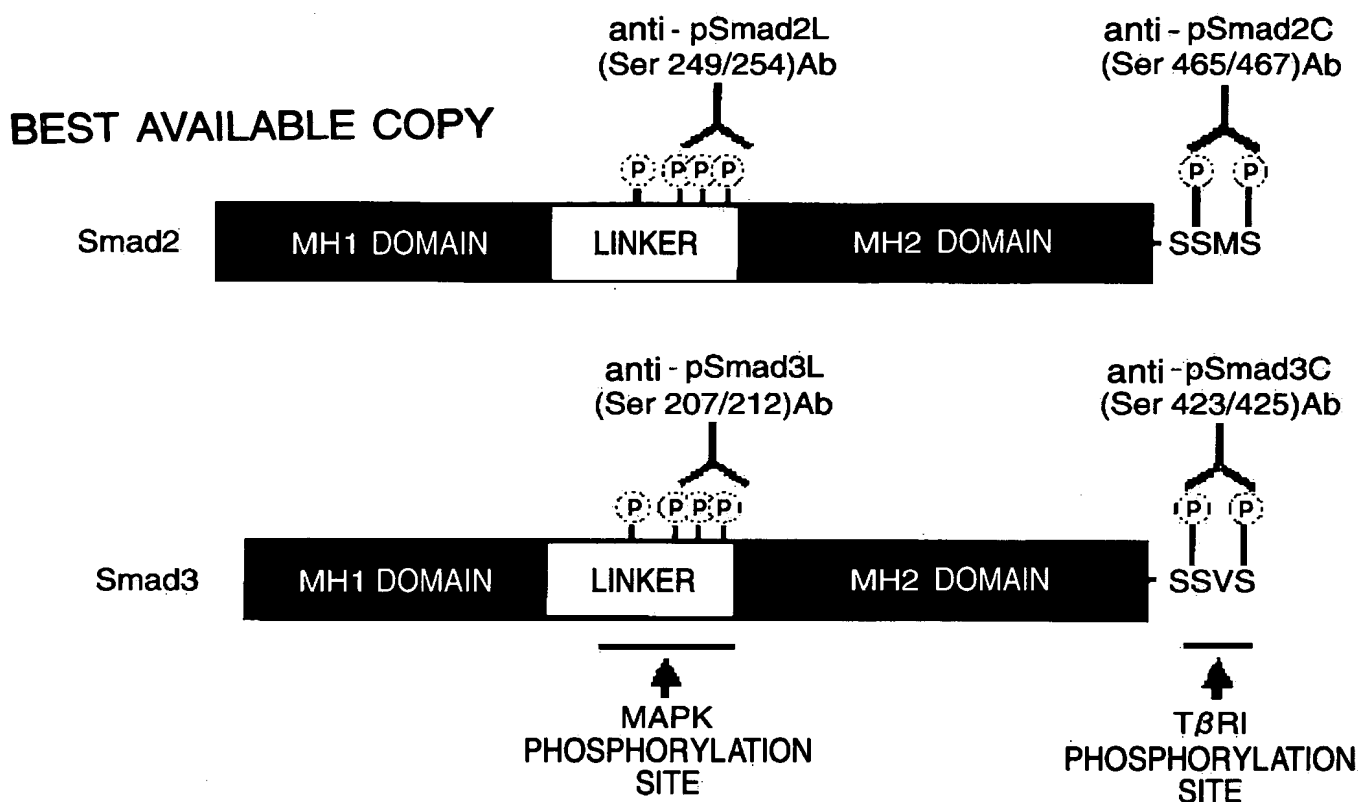


FIG. 2A

Flag-Smad2	-	WT	EPSM	3S-A
TGF-β ₁	-	- +	- +	- +



FIG. 2B

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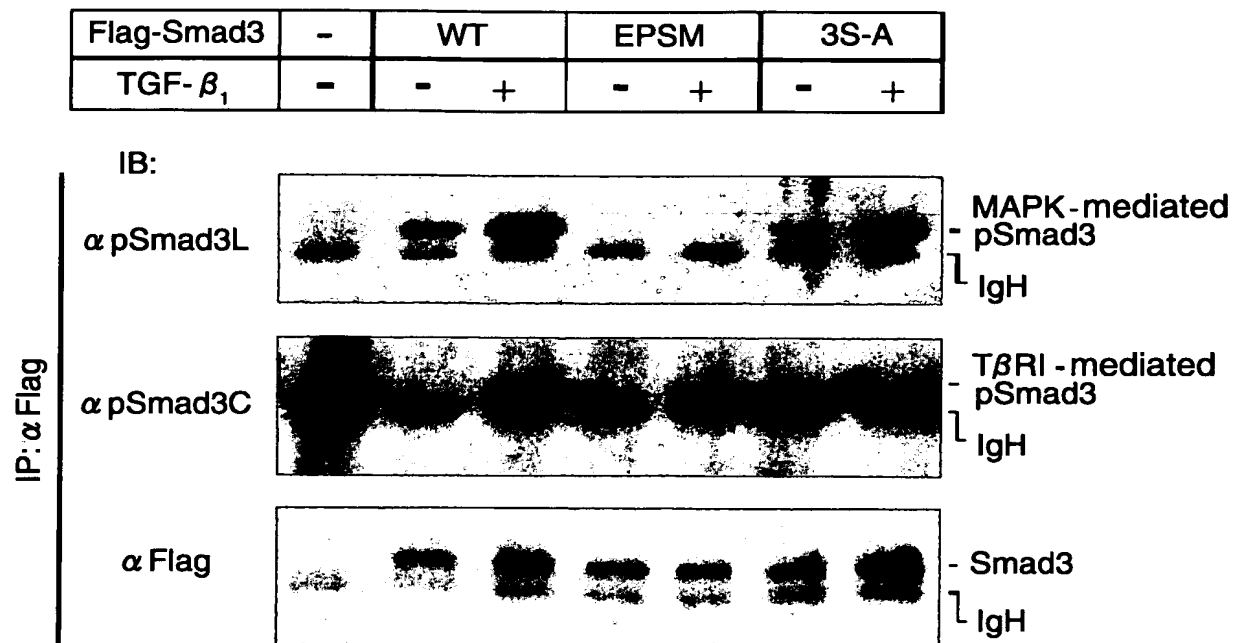
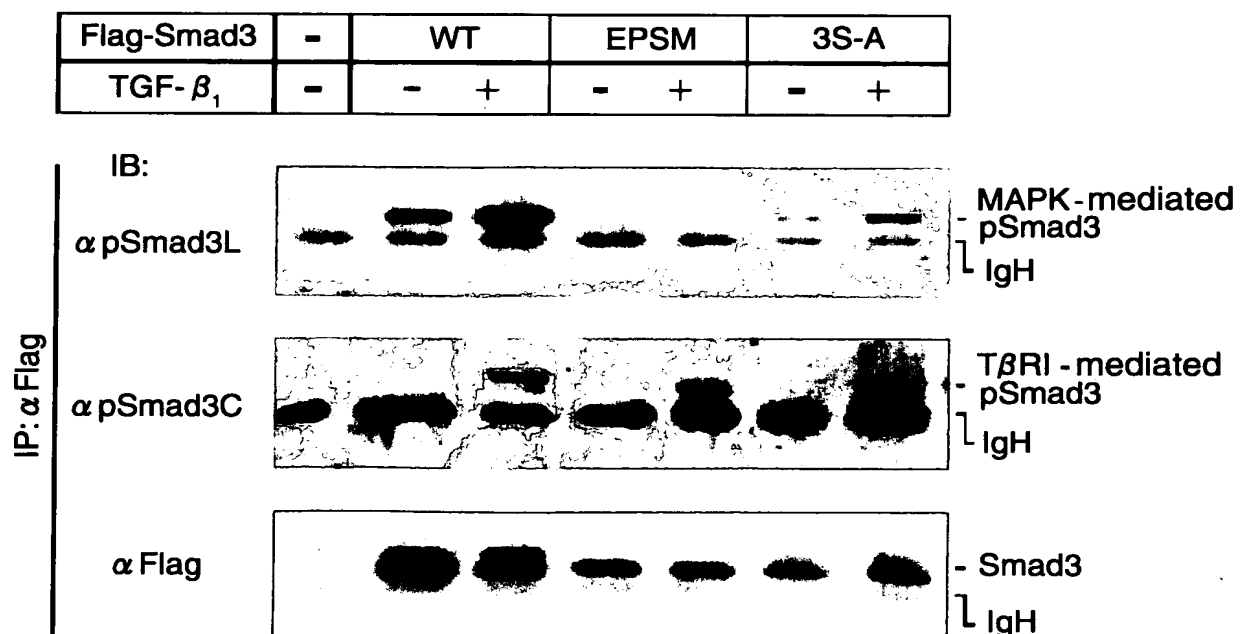


FIG. 2C



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FIG. 3

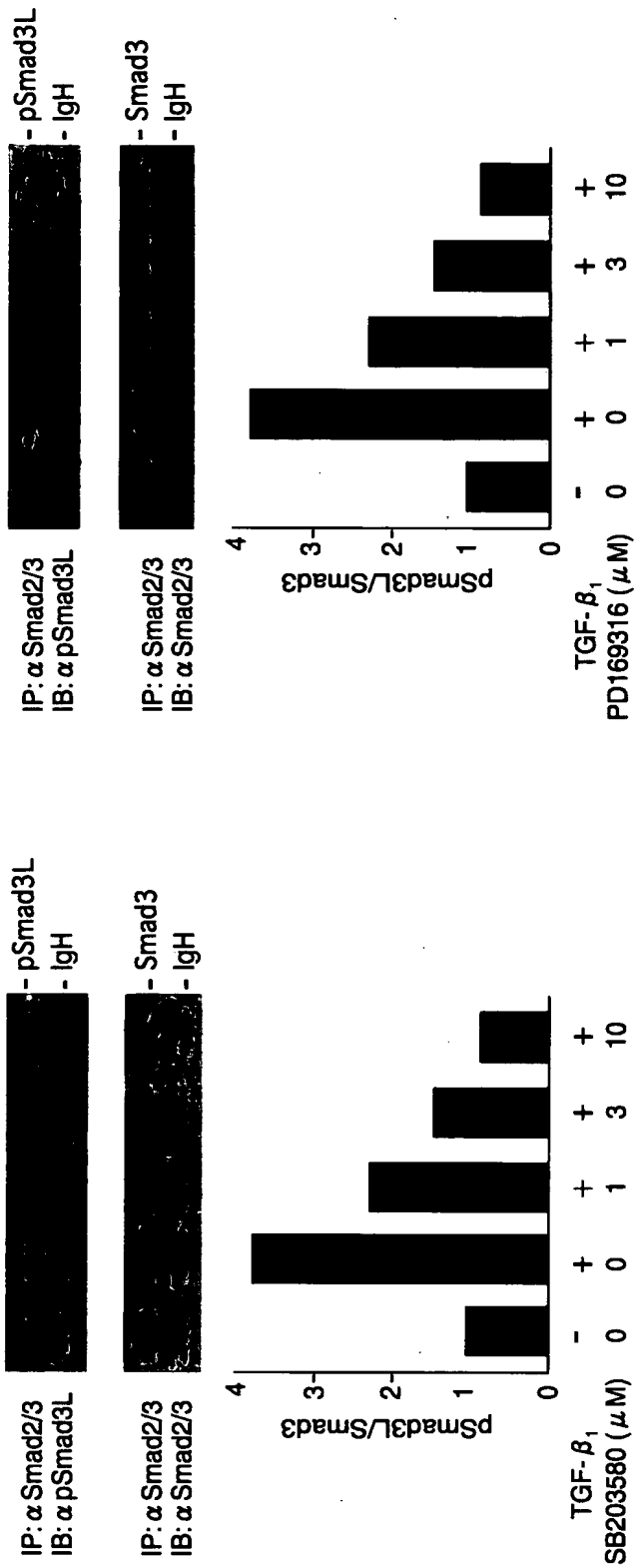
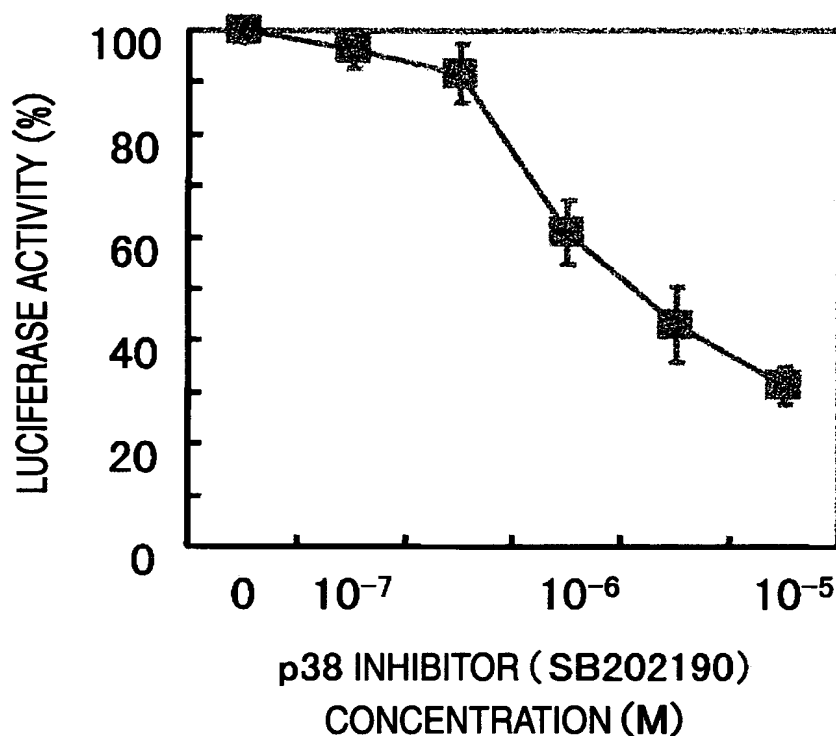


FIG. 4

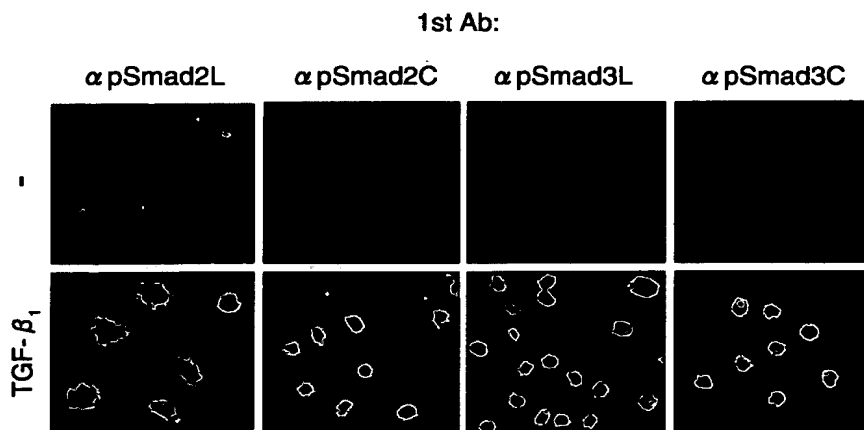
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(MEAN \pm S.D. n=7)

FIG. 5A

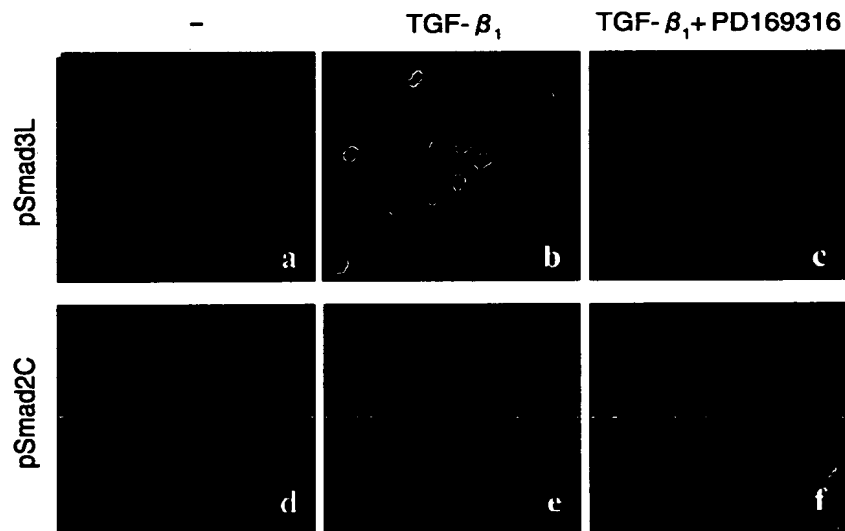
DETECTION OF LOCALIZATION IN CELLS



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FIG. 5B

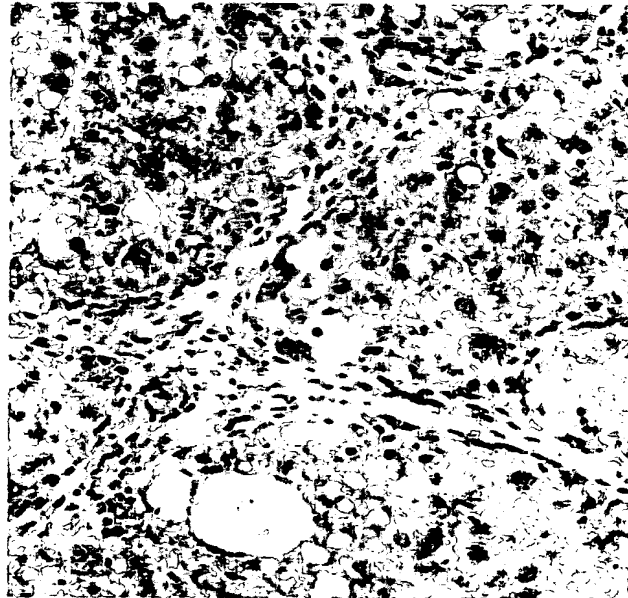
DETECTION OF INFLUENCE BY INHIBITOR



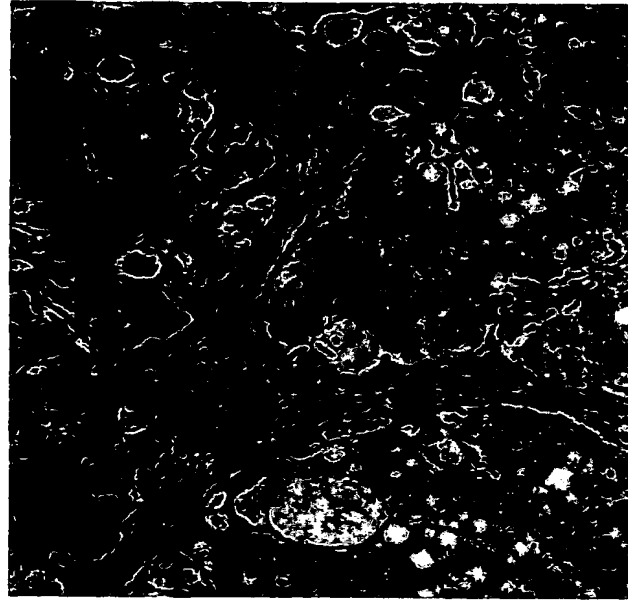
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FIG. 6

IMMUNOHISTOLOGICAL EXAMINATION OF PHOSPHORYLATION AT
Smad3 LINKER REGION IN LIVER OF HEPATIC FIBROSIS MODEL RAT



pSmad3L









αSMA

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FIG. 7

KINASE ASSAY
 IP: α pp38

TGF- β_1		-	+
GST-Smad2	IB: α pSmad2L		- MAPK - dependent pSmad2
	α pSmad2C		- T β RI - dependent pSmad2
	α Smad2/3		- GST-Smad2
GST-Smad3	α pSmad3L		- MAPK - dependent pSmad3
	α pSmad3C		- T β RI - dependent pSmad3
	α Smad2/3		- GST-Smad3

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FIG. 8

α pSmad3L



α Ki-67

